

Nicholas Yim

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EDUCATION

BS (Double Major): Computer Science / Electrical and Computer Engineering May 2025
RUTGERS, THE STATE UNIVERSITY OF NEW JERSEY *New Brunswick, NJ*

- **GPA: 3.833** | Dean's List all semesters | Eta Kappa Nu (HKN) Honor Society
- **Relevant Coursework:** Software Engineering, Software Methodology, Design & Analysis of Algorithms, Data Structures, Computer Arch. & Assembly Lang., Info and Data Mgmt, Linear Systems & Signals, Electronic Devices

PROJECTS / CERTIFICATIONS

Certifications:

- AWS Certified Cloud Practitioner

Gym Haven | *Node.js, JavaScript, React.js, MongoDB* Jan. 2024 – Present

- Build a one-stop online store specializing in fitness-related equipment
- Incorporate OAuth Authentication for user registration/login, Stripe API for payment processing, Web3Forms and OpenAI APIs for customer service, and EasyPost API to mimic shipping
- Employ a NoSQL database via MongoDB to store data
- Write full length reports outlining data collections, application structure, REST API specification, etc.

Rutgers Pizza | *Java / JavaFX, XML, Android Studio* Dec. 2023

- Developed interactive Android application to emulate a Pizzeria, including separate functionality for “Build Your Own” pizzas, “Specialty” pizzas, adjusting/viewing orders, and viewing/cancelling placed orders
- Implemented Factory and Singleton design patterns to structure the application
- Utilized XML to customize separate UIs for customers and the restaurant

HackRU Spring 2023 (Winner) | *Python, Streamlit, AWS EC2* Feb. 2023

- Winner in health track out of 170 participants
- Developed a web application in Python utilizing Streamlit open-source app framework to calculate and display live crowd levels at on-campus fitness centers based on user-input
- Deployed the website on a Linux server via an AWS EC2 instance

EXPERIENCE

Level 2 IT Consultant Aug. 2023 – Present
RUTGERS OFFICE OF INFORMATION TECHNOLOGY *Piscataway, NJ*

- Respond to 100s of computing-related support calls, providing technical assistance and solving networking/software issues for the Rutgers community
- Act as point of contact between Level 1 Consultants and the supervisors, ensuring seamless communication

Data Science Extern May 2023 – Aug. 2023
ECPAT (via RUTGERS MBS EXTERNSHIP EXCHANGE) *NJ*

- Partnered with ECPAT to conduct research/analysis on human trafficking crisis in Chicago metro area
- Built crime mapping program via Python's Pandas, GeoPandas, and Matplotlib libraries
- Cleaned and organized crime information from multiple datasets using Python and CSV files
- Utilized Tableau to create visual representations of trafficking and related crimes, highlighting trends and hotspots
- Presented findings to company mentors and technical/non-technical stakeholders

Software Engineering Fellow Feb. 2023 – April 2023
BLUEPRINT *NJ*

- Learned web app development, frontend/backend architectural components
- Utilized JavaScript, React.js (including React Router DOM), HTML/CSS, and Spoonacular API to build an interactive cookbook web application allowing users to navigate through hundreds of descriptive recipes

TECHNICAL SKILLS

Languages: Java, JavaScript, Python, SQL, MATLAB, XML, FXML, HTML/CSS, Swift/SwiftUI, C, C++

Frameworks: React.js, Node.js, Jasmine, JUnit, Bootstrap

Tools/Technologies: Git, GitHub, VS Code, IntelliJ, Amazon Web Services (AWS), MongoDB, JSON, Android Studio, UML, Postman, Firebase, RISC-V, Tableau, Windows/Mac/Linux